

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE

COUNTY OR DISTRICT <i>PARRY SOUND</i>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <i>ARMOUR</i>	CON., BLOCK, TRACT, SURVEY, ETC <i>5</i>	LOT <i>17</i>
OWNER (SURNAME FIRST) <i>WALLER FRED</i>	ADDRESS <i>TORONTO</i>	DATE COMPLETED DAY <i>4</i> MO <i>8</i> YR. <i>87</i>	

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<i>BROWN</i>	<i>SAND</i>	<i>GRAVEL</i>		<i>0</i>	<i>8</i>
<i>GRAY</i>	<i>GRAVEL</i>			<i>8</i>	<i>197</i>
<i>RED</i>	<i>GRAVEL</i>			<i>197</i>	<i>250</i>

WATER RECORD	
WATER FOUND AT - FEET	KIND OF WATER
<i>197</i>	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERALS <input type="checkbox"/> <input type="checkbox"/> GAS
	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERALS <input type="checkbox"/> <input type="checkbox"/> GAS
	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERALS <input type="checkbox"/> <input type="checkbox"/> GAS
	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERALS <input type="checkbox"/> <input type="checkbox"/> GAS

CASING & OPEN HOLE RECORD				
INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<i>6 1/4</i>	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC	<i>1 1/2</i>	<i>1</i>	<i>20</i>
<i>6</i>	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC		<i>20</i>	<i>250</i>
	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC			

SCREEN	SIZE(S) OF OPENING (SLOT NO.)	DIAMETER		LENGTH
		INCHES	FEET	FEET

PLUGGING & SEALING RECORD			
DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)	
FROM	TO		
<i>20</i>	<i>30</i>	<i>5 x 10 PACKER SILTOL</i>	

PUMPING TEST	PUMPING TEST METHOD		PUMPING RATE	DURATION OF PUMPING		
	<input checked="" type="checkbox"/> PUMP	<input type="checkbox"/> BAILER	<i>1</i> GPM	<i>1</i> HOURS	MIN	
	STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
			<input type="checkbox"/> PUMPING <input type="checkbox"/> RECOVERY			
	<i>17</i> FEET		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
		FEET	FEET	FEET	FEET	
IF FLOWING, GIVE RATE		PUMP INTAKE SET AT		WATER AT END OF TEST		
GPM		FEET		<input checked="" type="checkbox"/> CLEAR <input type="checkbox"/> CLOUDY		
RECOMMENDED PUMP TYPE		RECOMMENDED PUMP SETTING		RECOMMENDED PUMPING RATE		
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP		<i>210</i> FEET		<i>1</i> GPM		

LOCATION OF WELL	
IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.	
DRILLERS REMARKS 17119	

FINAL STATUS OF WELL	<input checked="" type="checkbox"/> WATER SUPPLY <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY <input type="checkbox"/> OBSERVATION WELL <input type="checkbox"/> ABANDONED POOR QUALITY <input type="checkbox"/> TEST HOLE <input type="checkbox"/> UNFINISHED <input type="checkbox"/> RECHARGE WELL <input type="checkbox"/> DEWATERING
WATER USE	<input checked="" type="checkbox"/> DOMESTIC <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> STOCK <input type="checkbox"/> MUNICIPAL <input type="checkbox"/> IRRIGATION <input type="checkbox"/> PUBLIC SUPPLY <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> COOLING OR AIR CONDITIONING <input type="checkbox"/> OTHER <input type="checkbox"/> NOT USED
METHOD OF CONSTRUCTION	<input type="checkbox"/> CABLE TOOL <input type="checkbox"/> BORING <input type="checkbox"/> ROTARY (CONVENTIONAL) <input type="checkbox"/> DIAMOND <input type="checkbox"/> ROTARY (REVERSE) <input type="checkbox"/> JETTING <input checked="" type="checkbox"/> ROTARY (AIR) <input type="checkbox"/> DRIVING <input type="checkbox"/> AIR PERCUSSION <input type="checkbox"/> DIGGING <input type="checkbox"/> OTHER

CONTRACTOR	NAME OF WELL CONTRACTOR <i>MARSHALL WELL DRILL</i>	WELL CONTRACTOR'S LICENCE NUMBER <i>3663</i>
	ADDRESS <i>EMSDALE</i>	
	NAME OF WELL TECHNICIAN <i>WELL BROWN</i>	WELL TECHNICIAN'S LICENCE NUMBER <i>70225</i>
SIGNATURE OF TECHNICIAN/CONTRACTOR <i>Carl Marshall</i>		SUBMISSION DATE DAY <i>09</i> MO <i>09</i> YR. <i>87</i>

OFFICE USE ONLY	

THE ONTARIO WATER RESOURCES ACT AND REGULATION 612/84

CERTAIN SECTIONS OF THE ONTARIO WATER RESOURCES ACT ARE OF INTEREST TO WELL OWNERS. PARTS OF THESE ARE DESCRIBED BELOW FOR YOUR INFORMATION.

1. UNDER SECTION 16 (1)
1. UNDER SECTION 16 (1) NO PERSON SHALL DISCHARGE OR DEPOSIT ANY MATERIAL DIRECTLY INTO ANY WELL OR IN ANY PLACE THAT MAY IMPAIR THE QUALITY OF THE WATER IN A WELL.
2. UNDER SECTION 20 (3) NO PERSON SHALL TAKE MORE THAN 10,000 GALLONS OF WATER IN A DAY FOR PURPOSES OTHER THAN DOMESTIC, FARM OR FIRE FIGHTING WITHOUT A PERMIT ISSUED BY A DIRECTOR OF THE MINISTRY.
3. UNDER SECTION 20 (7) A DIRECTOR OF THE MINISTRY MAY REQUIRE THE OWNER OF A FLOWING WELL TO REGULATE THE FLOW OF WATER FROM THE WELL.
4. UNDER SECTION 22c, 22g WATER-WELL CONTRACTORS AND TECHNICIANS OPERATING IN THE PROVINCE ARE REQUIRED TO OBTAIN AN APPROPRIATE LICENCE FROM THE DIRECTOR, WATER RESOURCES, OF THE MINISTRY TO CARRY ON THE BUSINESS OF CONSTRUCTING WATER WELLS AND TO WORK AT THE CONSTRUCTION OF WATER WELLS RESPECTIVELY.
5. UNDER REGULATION 612/84 THE CONSTRUCTION AND MAINTENANCE DETAILS OF WELLS ARE SET FORTH. SPECIALLY, CASING MATERIALS, SEALING AROUND THE CASING, CHLORINATION, CAPPING AND VENTING ARE COVERED. THE INSTALLATION OF PUMPING EQUIPMENT AND ITS RELATION TO VENTING AND PROPER SUB-SURFACE CONNECTIONS TO THE WELL CASING ARE ALSO COVERED. IN ADDITION, THE OWNER OF A WELL IS REQUIRED TO MAINTAIN IT AT ALL TIMES AFTER COMPLETION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF SURFACE WATER OR FOREIGN MATERIALS.
THE OWNER IS REQUIRED TO SEAL OFF SALTY, SULPHUROUS OR OTHER NON-POTABLE WATER ENCOUNTERED IN THE WELL IN A MANNER SUFFICIENT TO PREVENT IMPAIRMENT OF THE QUALITY OF GROUND WATER. THE CONTRACTOR IS REQUIRED TO PROVIDE A COPY OF THE WATER-WELL RECORD TO THE OWNER OF THE WELL.

FOR FURTHER INFORMATION ON WELL CONSTRUCTION AND MAINTENANCE DETAILS, REFERENCE SHOULD BE MADE TO THE APPROPRIATE SECTIONS OF THE ONTARIO WATER RESOURCES ACT AND REGULATION AVAILABLE FROM THE WATER RESOURCES BRANCH MINISTRY OF THE ENVIRONMENT.

INSTRUCTIONS AND EXPLANATIONS

1. THE MINISTRY OF THE ENVIRONMENT COPY OF THE WATER-WELL RECORD FORM SHALL BE RETURNED TO THE WATER RESOURCES BRANCH, MINISTRY OF THE ENVIRONMENT, TORONTO, ONTARIO, WITHIN ONE MONTH AFTER THE COMPLETION OF THE WELL. THE OWNER'S COPY OF THE WATER-WELL RECORD FORM SHALL BE SUBMITTED TO THE OWNER WITHIN TWO WEEKS AFTER THE COMPLETION.
2. WATER LEVEL MEASUREMENTS: DISTANCE BETWEEN THE SURFACE OF THE GROUND AND THE TOP OF THE WATER IN THE WELL.
3. WATER RECORD: DEPTH(S) AT WHICH WATER FOUND. THE DISTANCE FROM THE SURFACE OF THE GROUND TO THE WATER-BEARING FORMATION, OR HORIZON, WHERE WATER IS FOUND. THERE MAY BE MORE THAN ONE HORIZON.
4. LOG OF OVERBURDEN AND BEDROCK MATERIALS: FOR EACH FORMATION ENCOUNTERED IN DRILLING, CHOOSE WORDS FROM THE LISTS BELOW THAT BEST DESCRIBE THE FORMATION ON THE BASIS OF GENERAL COLOUR, MOST COMMON MATERIAL, OTHER MATERIALS AND GENERAL DESCRIPTION OF THE FORMATION. PLACE THESE WORDS IN THE CORRECT COLUMNS ON THE FRONT OF THE RECORD.

GENERAL COLOURS	M A T E R I A L S		GENERAL DESCRIPTIONS
WHITE	FILL	LIMESTONE	LOOSE
GREY	TOP SOIL	DOLOMITE	POROUS
BLUE	MUCK	SHALE	DENSE
GREEN	PEAT	SANDSTONE	PACKED
YELLOW	CLAY	SLATE	CEMENTED
BROWN	SILT	QUARTZITE	LAYERED
RED	FINE SAND	GRANITE	SOFT
BLACK	MEDIUM SAND	GREENSTONE	HARD
	COARSE SAND		WOOD FRAGMENTS
	GRAVEL		
	STONES		PREVIOUSLY DUG OR BORED
	BOULDERS		PREVIOUSLY DRILLED

EXAMPLE OF LOG:

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
BROWN	TOP SOIL			0	2
GREY	SAND	GRAVEL, SILT	LOOSE, WOOD FRAGMENTS	2	41
BLUE	CLAY	SILT, STONES	DENSE	41	83
BROWN	FINE SAND	CLAY		83	102
GREY	LIMESTONE		POROUS, HARD	102	110

CLAY: COMPOSED OF VERY FINE PARTICLES. FORMS DENSE HARD LUMPS OR CLODS WHEN DRY AND A VERY ELASTIC PUTTY-LIKE MASS WHEN WET. IT CAN BE ROLLED BETWEEN FINGERS TO FORM A LONG, FLEXIBLE RIBBON.

SILT: GRAIN SIZE, MIDWAY BETWEEN SAND AND CLAY. IT MAY FORM CLODS WHICH, WHEN BROKEN, FEEL SOFT AND FLOURY. WHEN MOIST, IT WILL FORM A CAST THAT CAN BE HANDLED FREELY WITHOUT BREAKING. ROLLED BETWEEN THUMB AND FINGER, IT WILL NOT "RIBBON" BUT WILL GIVE A BROKEN APPEARANCE.

SAND: GRAINS ARE LOOSE AND GRANULAR AND MAY BE SEEN AND FELT READILY. SQUEEZED IN THE HAND WHEN DRY, IT FALLS APART WHEN THE PRESSURE IS RELEASED. SQUEEZED WHEN MOIST, IT WILL FORM A CAST THAT WILL CRUMBLE WHEN TOUCHED. SHOULD BE LISTED AS FINE, MEDIUM OR COARSE.

GRAVEL: ROCK FRAGMENTS GREATER THAN ONE-EIGHTH OF AN INCH IN DIAMETER.

5. LOCATION OF WELL: IT IS ESSENTIAL TO KNOW THE LOCATION OF EACH WELL AS ACCURATELY AS POSSIBLE. TWO DISTANCES ARE ALWAYS NECESSARY. IN RURAL AREAS, ONE DISTANCE SHOULD BE TAKEN FROM A ROAD AND THE OTHER FROM EITHER A ROAD OR A TOWNSHIP LOT LINE (FIG. 1). IN A VILLAGE, TOWN OR CITY, BOTH DISTANCES SHOULD BE TAKEN FROM NAMED STREETS (FIG. 2). IN AREAS WHERE IT IS DIFFICULT TO OBTAIN LOT AND CONCESSION NUMBERS, SUFFICIENT INFORMATION SHOULD BE SUPPLIED IN THE DIAGRAM SO THAT THE WELL CAN BE RELATED TO A KNOWN UNIT SUCH AS A MAIN HIGHWAY, RAILWAY OR MUNICIPALITY (FIGS. 3 & 4).

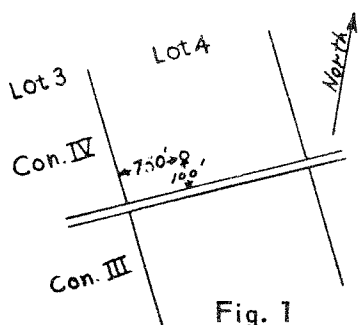


Fig. 1

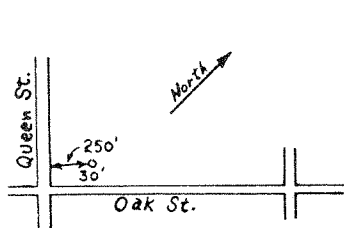


Fig. 2

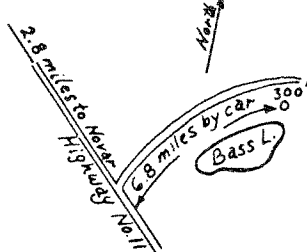


Fig. 3

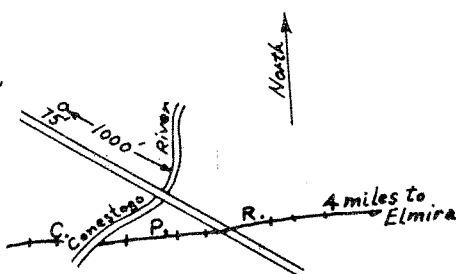


Fig. 4